



## CALIFORNIA WORKFORCE INVESTMENT BOARD

### Workforce Needs for Large Scale Solar Projects

#### Kern County

Kern County (Bakersfield -Delano MSA)	Current Month July 2010 Labor Market Statistics	2009 Annual Average Labor Market Statistics	2008 Annual Average Labor Market Statistics
Labor Force (Employed &Unemployed)	368,200	366,900	361,100
Employed	309,400	314,100	326,000
Unemployed	58,800	52,800	35,200
Unemployment Rate	16.0%	14.4%	9.7%
<b>Industry Employment related to Solar Industry</b>			
Construction	11,300	13,000	16,500
Transportation, Warehousing and Utilities	9,300	9,200	9,600

Source: EDD/LMID, Current Employment Statistics, [www.labormarketinfo.edd.ca.gov](http://www.labormarketinfo.edd.ca.gov)

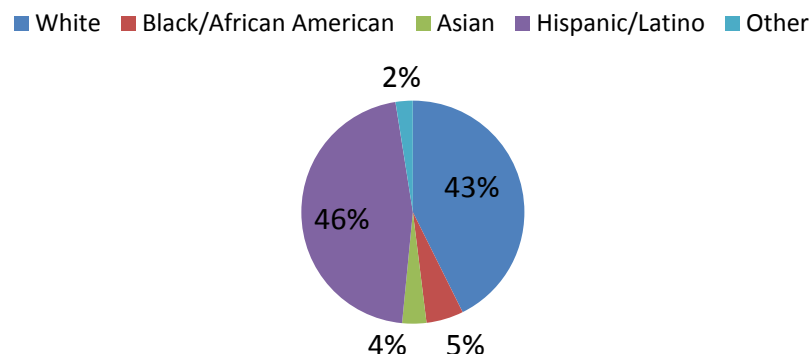
70 Registered Apprenticeship Programs and  
646 Apprentices in the Construction Industry.

Source: Department of Industrial Relations, [www.dir.ca.gov](http://www.dir.ca.gov) , data  
generated Sep. 13, 2010.

#### Local Workforce Investment Board

Kern/Inyo/Mono Consortium  
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#### Kern County Demography 2008



Source: Department of Finance, Ethnic Population Estimates, [www.dof.ca.gov](http://www.dof.ca.gov)



## CALIFORNIA WORKFORCE INVESTMENT BOARD

Local Resources

Kern County

### **Career Services Center - Southwest**

1600 E. Belle Terrace Bakersfield, CA 93307

[www.CareerServicesCenter.com](http://www.CareerServicesCenter.com)

(661) 635-2680

*Hours:* Monday - Friday 8 am-5pm

### **Career Services Center - Delano**

1816 Cecil Avenue Delano, CA 93215

[www.CareerServicesCenter.com](http://www.CareerServicesCenter.com)

(661) 721-5800

*Hours:* Monday - Friday 8 am-5pm

### **Career Services Center - Lake Isabella**

6401 Lake Isabella Boulevard Lake Isabella, CA 93240

[www.CareerServicesCenter.com](http://www.CareerServicesCenter.com)

(760) 379-2074

*Hours:* Monday - Friday 8 am-5pm

### **Career Services Center - Lamont**

8300 Segrue Road Lamont, CA 93241

[www.CareerServicesCenter.com](http://www.CareerServicesCenter.com)

(661) 635-4029

*Hours:* Monday - Friday 8 am-5pm

### **Career Services Center - Mojave**

2300 Highway 58 Mojave, CA 93505

[www.CareerServicesCenter.com](http://www.CareerServicesCenter.com)

(661) 824-7800

*TTY:* (661) 336-6839

*Hours:* Monday - Friday 8 am-5pm

### **Career Services Center - Ridgecrest**

1400 North. Norma Street, Suite. 105 Ridgecrest, CA 93555

[www.CareerServicesCenter.com](http://www.CareerServicesCenter.com)

(760) 446-2595

*Hours:* Monday - Friday 8 am-5pm

### **Career Services Center - Shafter**

113 North Central Valley Highway Shafter, CA 93263

[www.CareerServicesCenter.com](http://www.CareerServicesCenter.com)

(661) 746-8400

*Hours:* Monday - Friday 8 am-5pm

### **Career Services Center - Taft**

119 North 10th Street Taft, CA 93268

[www.CareerServicesCenter.com](http://www.CareerServicesCenter.com)

(661) 763-0200

*Hours:* Monday - Friday 8 am-5pm

Kern County (Bakersfield,MSA) Staffing Pattern		2010/1st QTR Wages		
SOC Code	Occupational Title	May 2009 Employment Estimates	Mean Hourly Wage	Mean Annual Wage
11-1011	Chief Executives	40	91.72	190,776.00
11-1021	General and Operations Managers	220	68.75	143,015.00
11-3031	Financial Managers	(3)	79.83	166,038.00
11-9021	Construction Managers	320	48.27	100,401.00
11-9141	Property, Real Estate, and Community Association Managers	(3)	58.55	121,781.00
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	30	33.46	69,610.00
13-1051	Cost Estimators	250	38.94	80,984.00
13-1199	Business Operations Specialists, All Other	50	41.08	85,455.00
13-2011	Accountants and Auditors	90	35.73	74,310.00
17-2051	Civil Engineers	(3)	36.97	76,891.00
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	80	28.11	58,471.00
17-3011	Architectural and Civil Drafters	50	22.78	47,393.00
17-3012	Electrical and Electronics Drafters	(3)	18.86	39,230.00
37-3011	Landscaping and Groundskeeping Workers	(3)	19.20	39,937.00
41-3099	Sales Representatives, Services, All Other	120	30.76	63,975.00
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific	(3)	33.70	70,089.00
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	90	25.46	52,954.00
43-3021	Billing and Posting Clerks and Machine Operators	50	14.95	31,102.00
43-3031	Bookkeeping, Accounting, and Auditing Clerks	290	17.84	37,093.00
43-3051	Payroll and Timekeeping Clerks	70	17.59	36,585.00
43-4051	Customer Service Representatives	30	14.09	29,307.00
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	(3)	20.41	42,455.00
43-4171	Receptionists and Information Clerks	110	12.40	25,786.00
43-5032	Dispatchers, Except Police, Fire, and Ambulance	40	21.51	44,738.00
43-5061	Production, Planning, and Expediting Clerks	(3)	25.40	52,837.00
43-6011	Executive Secretaries and Administrative Assistants	110	23.96	49,831.00
43-6014	Secretaries, Except Legal, Medical, and Executive	200	15.43	32,085.00
43-9061	Office Clerks, General	250	14.28	29,702.00
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	940	31.30	65,117.00
47-2021	Brickmasons and Blockmasons	70	23.62	49,144.00
47-2031	Carpenters	870	23.60	49,099.00
47-2044	Tile and Marble Setters	40	24.85	51,695.00
47-2051	Cement Masons and Concrete Finishers	390	19.69	40,961.00

Kern County (Bakersfield,MSA) Staffing Pattern		2010/1st QTR Wages		
SOC Code	Occupational Title	May 2009 Employment Estimates	Mean Hourly Wage	Mean Annual Wage
47-2061	Construction Laborers	1750	15.76	32,777.00
47-2071	Paving, Surfacing, and Tamping Equipment Operators	60	26.83	55,801.00
47-2073	Operating Engineers and Other Construction Equipment Operators	780	23.96	49,829.00
47-2081	Drywall and Ceiling Tile Installers	380	22.75	47,318.00
47-2082	Tapers	120	22.68	47,182.00
47-2111	Electricians	1370	26.43	54,990.00
47-2141	Painters, Construction and Maintenance	300	19.63	40,827.00
47-2151	Pipelayers	(3)	21.56	44,857.00
47-2152	Plumbers, Pipefitters, and Steamfitters	490	21.78	45,291.00
47-2161	Plasterers and Stucco Masons	120	23.98	49,884.00
47-2181	Roofers	120	19.27	40,096.00
47-2211	Sheet Metal Workers	(3)	27.81	57,842.00
47-2221	Structural Iron and Steel Workers	100	20.30	42,212.00
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	110	15.91	33,108.00
47-3012	Helpers--Carpenters	60	15.70	32,660.00
47-3013	Helpers--Electricians	100	15.81	32,895.00
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	140	12.13	25,232.00
47-4011	Construction and Building Inspectors	(3)	39.20	81,550.00
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	(3)	26.05	54,183.00
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	(3)	20.80	43,268.00
49-3023	Automotive Service Technicians and Mechanics	(3)	27.03	56,216.00
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	30	28.25	58,748.00
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	130	17.67	36,745.00
49-9042	Maintenance and Repair Workers, General	130	19.23	39,991.00
49-9044	Millwrights	70	24.71	51,401.00
49-9051	Electrical Power-Line Installers and Repairers	(3)	40.22	83,664.00
49-9098	Helpers--Installation, Maintenance, and Repair Workers	(3)	12.06	25,085.00
51-4121	Welders, Cutters, Solderers, and Brazers	300	28.51	59,294.00
53-3032	Truck Drivers, Heavy and Tractor-Trailer	170	20.58	42,800.00
53-3033	Truck Drivers, Light or Delivery Services	(3)	18.69	38,877.00
53-7021	Crane and Tower Operators	190	27.51	57,220.00
53-7032	Excavating and Loading Machine and Dragline Operators	(3)	17.83	37,081.00
53-7051	Industrial Truck and Tractor Operators	(3)	18.26	37,999.00

<b>Kern County (Bakersfield,MSA) Staffing Pattern</b>		<b>2010/1st QTR Wages</b>		
<b>SOC Code</b>	<b>Occupational Title</b>	<b>May 2009 Employment Estimates</b>	<b>Mean Hourly Wage</b>	<b>Mean Annual Wage</b>
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	130	14.48	30,125.00
Source:	EDD/LMID,OES Staffing Patterns, <a href="http://www.labormarketinfo.edd.ca.gov">www.labormarketinfo.edd.ca.gov</a>			

Data Footnotes:

- (1) The "Mean Relative Standard Error" is a measure of the relative precision of the wage estimate. A low number denotes relatively high validity.
  - (2) For some occupations, workers may not work full-time all year-round. For these occupations it is not feasible to calculate an hourly wage.
  - (3) An estimate of employment could not be provided.
  - (4) An estimate of wage could not be provided.
  - (5) There is wide variation in the number of hours worked by those employed as actors, dancers, musicians, and singers.  
Many jobs are for a duration of 1 day or 1 week and it is extremely rare for a performer to have guaranteed employment for a period that exceeds 3 to 6 months.
- \* The survey reference dates for this data spanned from the 4th quarter 2006 to the 2nd quarter 2009. A substantial amount of the data was collected at a time when California minimum wage was below the current minimum wage of \$8.00 per hour. Since these wages were updated to 2010, and the minimum wage changed to \$8.00 per hour on January 1, 2008, wages below \$8.00 were set to \$8.00 per hour